

Patent Abstracts of Japan

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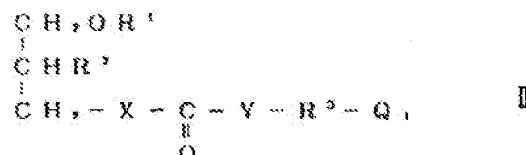
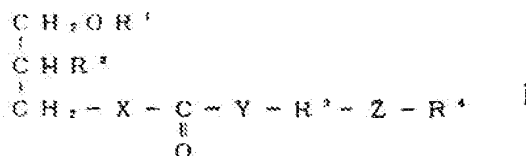
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TITLE : ANTITUMOR AGENT CONTAINING
 LIPID DERIVATIVE



ABSTRACT : PURPOSE: To provide an antitumor agent containing a specific lipid derivative and exhibiting strong action to induce differentiation of cancer cell.

CONSTITUTION: The objective agent contains, as an active component, a compound of formula I [R^1 is alkyl or alkylcarbamoyl; R^2 is H, (substituted) hydroxy, (substituted) amino or cyclic amino; R^3 is bond or (substituted) alkylene; R^4 is H, alkyl or aralkyl; X and Y are O, S or (substituted) imino; Z is (substituted) alkylene or (substituted) nitrogen-containing heterocyclic group] or its salt, e.g. 2-O-benzyl-3-O-(2'-dimethylaminoethyl)-carbamoyl-1-O-octadecylglycerol. The compound of formula I is administered to a cancerous warm-blooded animal at a dose of preferably 0.01–20mg/kg, especially 0.1–2mg/kg preferably 1–5 times, especially 1–3 times a day. The compound of formula I (the atom in Z bonded with R^3 is N) can be produced by reacting a compound of formula II (Q_1 is group easily substitutable with N) with an amine or a nitrogen-containing heterocyclic compound.

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